

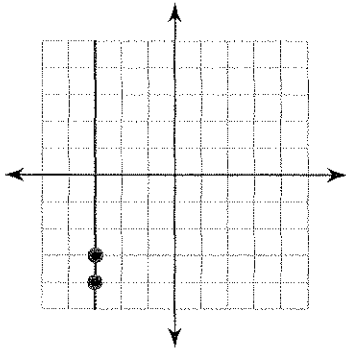
HW 14.5

© 2011 Kuta Software LLC. All rights reserved.

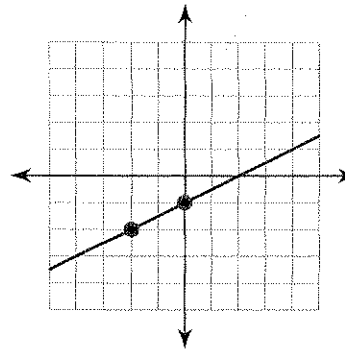
Date _____ Period _____

Find the slope of each line.

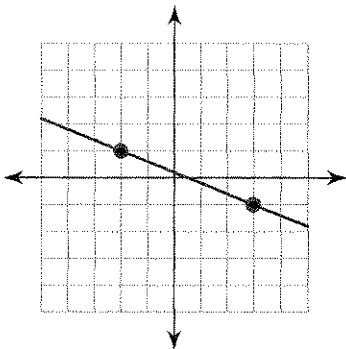
1)



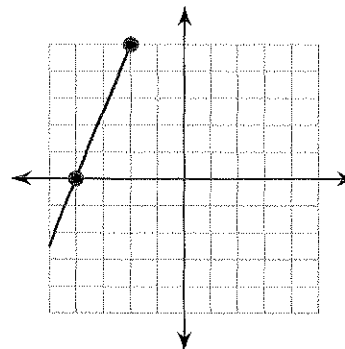
2)



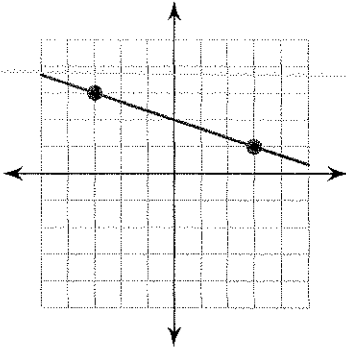
3)



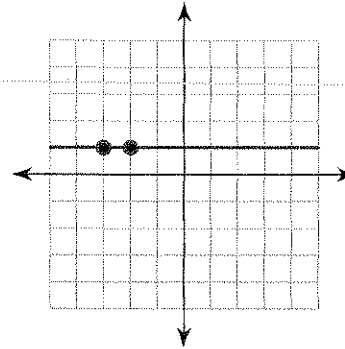
4)



5)



6)

**Find the slope of the line through each pair of points.**

7) $(19, 15), (19, 14)$

8) $(-9, -14), (-17, -4)$

9) $(6, -6), (5, -7)$

10) $(3, -18), (-4, 17)$

11) $(-10, 2), (19, -10)$

12) $(18, -10), (9, 14)$

Determine whether the line 1 and 2 are parallel, perpendicular, or neither.

13) Line 1: $(-1, 2)$ and $(2, 3)$
Line 2: $(0, 0)$ and $(3, 1)$

14) Line 1: $(-8, 3)$ and $(1, 2)$
Line 2: $(0, 9)$ and $(-1, 0)$

15) Line 1: $(-2, 5)$ and $(1, 4)$
Line 2: $(4, 0)$ and $(5, 3)$

16) Line 1: $(0, 1)$ and $(1, 3)$
Line 2: $(4, -1)$ and $(5, 2)$